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**From:** Newhouse, Kathleen [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5F019C8179304045ACD61BC05B571FB0-NEWHOUSE, KATHLEEN]  
**Sent:** 5/15/2015 6:26:42 PM  
**To:** Hogan, Karen [Hogan.Karen@epa.gov]; Jones, Samantha [Jones.Samantha@epa.gov]  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

OK. Thanks. I will go ahead and send it.

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**From:** Hogan, Karen  
**Sent:** Friday, May 15, 2015 10:24 AM  
**To:** Jones, Samantha; Newhouse, Kathleen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Sorry not to have chimed in earlier. Overall it looks fine to me. Thanks, Kathleen.  
Karen

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**From:** Jones, Samantha  
**Sent:** Friday, May 15, 2015 1:17 PM  
**To:** Newhouse, Kathleen  
**Cc:** Hogan, Karen  
**Subject:** Re: BaP Inhalation Cancer Unit Risk

Thanks for the response. Looks good to me!

Sent from my iPhone

On May 15, 2015, at 11:17 AM, Newhouse, Kathleen <[Newhouse.Kathleen@epa.gov](mailto:Newhouse.Kathleen@epa.gov)> wrote:

~~Thanks for reading. Looks like you pulled an all-nighter.~~

## Ex. 5 Deliberative Process (DP)

-K

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**From:** Jones, Samantha  
**Sent:** Thursday, May 14, 2015 5:30 PM  
**To:** Newhouse, Kathleen  
**Cc:** Hogan, Karen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Thanks for doing this! A question to confirm and an addition.

Again, thanks, and Karen if you have comments, let Kathleen know. Otherwise, I'd say send it.

Samantha

**From:** Newhouse, Kathleen  
**Sent:** Thursday, May 14, 2015 5:43 PM  
**To:** Jones, Samantha  
**Cc:** Hogan, Karen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Ok, I can't believe I spent so much time thinking about this! Let me know if this makes sense to you. Feel free to make edits.

-K

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Dear Dr. Assennato,

# Ex. 5 Deliberative Process (DP)

-Kathleen Newhouse

Kathleen Newhouse, MS, DABT  
National Center for Environmental Assessment | Office of Research and Development  
U.S. Environmental Protection Agency

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**From:** Jones, Samantha  
**Sent:** Thursday, May 14, 2015 9:02 AM  
**To:** Newhouse, Kathleen  
**Cc:** Hogan, Karen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Great, thanks! I am going to send him a note and say that we will respond to him shortly. I feel bad that he emailed me twice and I have been completely silent.

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**From:** Newhouse, Kathleen  
**Sent:** Thursday, May 14, 2015 12:01 PM  
**To:** Jones, Samantha  
**Cc:** Hogan, Karen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Sure. I forgot about this. I can trim down the explanation that I sent to you below and send it to Karen to review before I send it.

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**From:** Jones, Samantha  
**Sent:** Thursday, May 14, 2015 8:55 AM  
**To:** Newhouse, Kathleen  
**Cc:** Hogan, Karen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Hey, I never got around to doing this. Can you guys handle? Please respond to him...feel free to bring in Lou to help with the response.

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**From:** Newhouse, Kathleen  
**Sent:** Tuesday, April 21, 2015 2:18 PM  
**To:** Jones, Samantha  
**Cc:** Hogan, Karen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Will do. Feel free to give me a call if you want to talk about this.

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**From:** Jones, Samantha  
**Sent:** Tuesday, April 21, 2015 11:17 AM  
**To:** Newhouse, Kathleen  
**Cc:** Hogan, Karen  
**Subject:** RE: BaP Inhalation Cancer Unit Risk

Thanks for looking into this. I need to respond to him, he sent me a second email and I haven't been able to get back to him. **Ex. 5 Deliberative Process (DP)** I'll look at this more thoroughly later today or tomorrow and get back to him. If you or Karen have any other thoughts on responding to him, let me know.

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**From:** Newhouse, Kathleen  
**Sent:** Tuesday, April 21, 2015 1:42 PM  
**To:** Jones, Samantha  
**Cc:** Hogan, Karen  
**Subject:** FW: BaP Inhalation Cancer Unit Risk

Hi Samantha, I got an email from the same individual who had contacted you about the IUR WHO calculated for BaP.

## **Ex. 5 Deliberative Process (DP)**

# **Ex. 5 Deliberative Process (DP)**

Here is some text from the WHO doc if you are interested:

# Ex. 5 Deliberative Process (DP)

-Kathleen

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**From:** Prof. Giorgio Assennato [<mailto:g.assennato@arpa.puglia.it>]  
**Sent:** Wednesday, April 15, 2015 8:51 AM  
**To:** Newhouse, Kathleen  
**Subject:** BaP Inhalation Cancer Unit Risk

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**Da:** Prof. Giorgio Assennato [<mailto:g.assennato@arpa.puglia.it>]  
**Inviato:** martedì 14 aprile 2015 14:12  
**A:** 'Murphy.Deirdre@epa.gov'  
**Oggetto:** BaP Inhalation Cancer Unit Risk

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**Oggetto:** I:BaP Inhalation Cancer Unit Risk

Dear dr. Newhouse,

I'm an old Hopkins graduate, full professor of Occupational Medicine at the local school of medicine and currently director of the regional environmental protection agency in Apulia, Italy. Recently, our agency was requested to carry out a health risk assessment in the area of Taranto (around 230.000 inhabitants) where the largest European integrated cycle steel plant is located along with other sources (an oil refinery, a cement plant, urban waste and hospital waste incinerators). In the evaluation of lifetime cancerogenic risk, we had to use the WHO IUR for BaP which is almost two orders of magnitude larger than the CalEPA and USEPA ( $0.87 \times 10^{-4}$  /ng/m<sup>3</sup>) **vs. CalEPA ( $1.1 \times 10^{-6}$  /ng/m<sup>3</sup>)**. WHO keeps on publishing its old BaP IUR in the recent air quality guidelines. I think we should update the BaP IUR but we cannot do it unless a formal criticism by scientific authorities is expressed.

What's your opinion on this intriguing issue?

Thank you so much for your attention,

Giorgio Assennato MD,ScD,MPH

Director, ARPA Puglia, Italy